

For Research Use Only

# SIRT6 Monoclonal antibody

Catalog Number: 67510-1-Ig **4 Publications**



## Basic Information

**Catalog Number:**

67510-1-Ig

**Size:**

2200 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG24103

**GenBank Accession Number:**

BC028220

**GeneID (NCBI):**

51548

**UNIPROT ID:**

Q8N6T7

**Full Name:**

sirtuin (silent mating type information regulation 2 homolog) 6 (S. cerevisiae)

**Calculated MW:**

39 kDa

**Observed MW:**

40 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

2H4G8

**Recommended Dilutions:**

WB 1:2000-1:10000

## Applications

**Tested Applications:**

WB, ELISA

**Cited Applications:**

WB, IF, CoIP

**Species Specificity:**

Human, mouse

**Cited Species:**

mouse

**Positive Controls:**

WB: JAR cells, NCCIT cells, LNCaP cells, HeLa cells, Jurkat cells, K-562 cells, HL-60 cells.

## Background Information

SIRT6, also named as SIR2L6, belongs to the sirtuin family. It is known to deacetylate H3K9, H3K56 and CtIP in vivo. SIRT6 regulates the expression of a large number of stress-responsive and metabolism related genes, promotes genomic stability and stimulates base excision and double strand break DNA repair (PMID: 20729089). By maintaining both the integrity and the expression of the mammalian genome, SIRT6 thus serves several roles that parallel Sir2 function (PMID: 20729089). In addition, Sirt6-deficient animals develop normally for several weeks after birth, but succumb to an acute multi-organ degenerative syndrome that is uniformly lethal by one month of age (PMID: 19135889).

## Notable Publications

Author	Pubmed ID	Journal	Application
Wenxing Cui	33314534	Cell Prolif	WB
Xiaoxia Xiao	37582706	Mol Med	IF, WB, CoIP
Tianqi Cui	37599957	ACS Omega	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

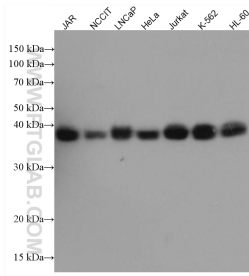
T: 4006900926

E: Proteintech-CN@ptglab.com

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**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67510-1-Ig (SIRT6 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.